

User Manual

BT Digital TV Adapter – Interactive



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1. Safety Instructions

Your safety is important to us, please read this page first

- Do not try to open the BT Digital TV Adapter as there is a risk of electrical shock.
- Install the Adapter on a firm and flat surface.
- Allow a minimum of 1 cm around each side of the Adapter for proper cooling.
- Only use the cables supplied with the Adapter.
- The Adapter should not be exposed to liquids either dripping or splashing, nor should any objects filled with liquids (such as vases) be placed close to it.
- Do not place naked flame sources, such as lit candles near the Adapter.
- Keep the Adapter away from domestic heating equipment, direct sunlight and humidity.
- Always disconnect the Adapter from the wall socket before cleaning it. Use a soft cloth and a mild solution of washing-up liquid to clean the casing.
- Do not insert anything into openings or connectors of the Adapter.

A 3 amp fuse is fitted in the Adapter's three-pin mains plug. If replacement is needed, always use a 3 amp rated fuse approved by ASTA or BSI to BS1362. Check for the BSI mark  on the body of the fuse.

If the fitted plug has a removable fuse cover you must ensure that it is refitted when the fuse is replaced. If you lose the fuse cover the plug must not be used until a replacement cover is obtained.

If the fitted plug is replaced, the fuse should be taken out and the cut-off plug disposed of safely. There is danger of severe electrical shock if the cut off plug is inserted into any 13 amp socket.

If a new plug is to be fitted please observe the wiring code as shown below. If in any doubt please consult a qualified electrician.

How to replace the fuse:

Lift out the removable fuse compartment with a screwdriver and replace the fuse, then refit securely into the mains plug.

IMPORTANT: The wires in the mains lead of this appliance are coloured in accordance with the following code:

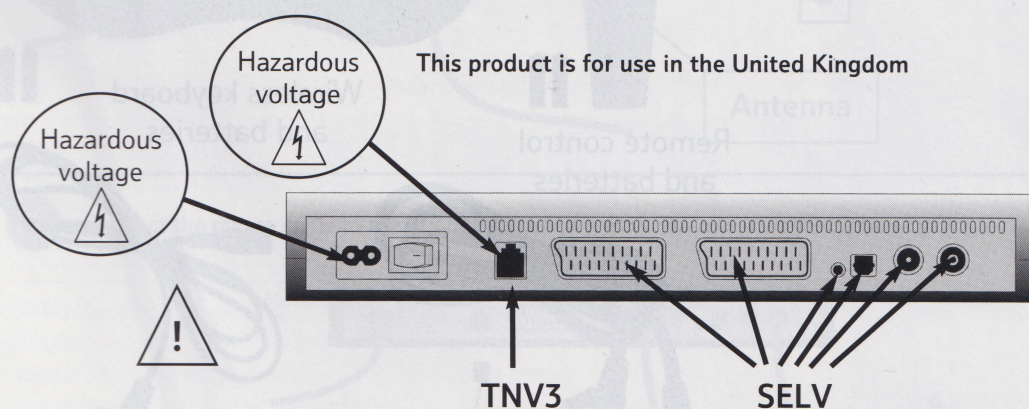
blue = neutral, brown = live

As the colours of the wires in the mains lead of this appliance may not correspond to the markings identifying the terminals in your plug, proceed as follows:

1. The blue wire must be connected to the terminal marked 'N' or coloured black.
2. The brown wire must be connected to the terminal marked 'L' or coloured red.

Important note: Under no circumstances should either of these wires be connected to the Earth terminal of the three-pin plug, marked with the letter 'E' or the earth symbol.

If you encounter problems using the Adapter, you should never try to repair it by yourself, please follow the instructions listed in the troubleshooting section of the manual.



HAZARDOUS VOLTAGE FIGURE

WE BT, DECLARE UNDER OUR SOLE RESPONSIBILITY THAT THIS PRODUCT the BT Digital TV Adapter IS IN CONFORMITY WITH THE PROVISIONS OF THE FOLLOWING COUNCIL DIRECTIVES:

Europe: 89/336/EEC, 73/23/EEC, 93/68/EEC.

2. Getting Started

a) Introduction

Thank you for choosing the **BT Digital TV Adapter** for your new digital television service.

The BT Digital TV Adapter is the first of a family of smart television devices.

A simple installation will immediately give you access to new digital television and radio services.

You will discover the full potential of the BT Digital TV Adapter with the Wireless Keyboard. The Wireless Keyboard is the 21st century remote control. It gives you one-key access to a range of interactive services, from checking email, to entertainment or information services.

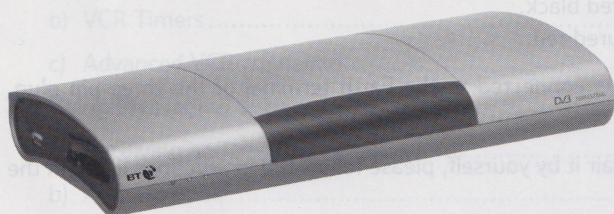


Sit back, relax and enjoy a smarter television

b) Installation

• Package contents

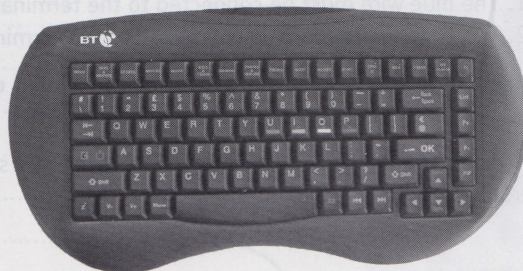
The BT Digital TV Adapter package contains the following, please check the contents:



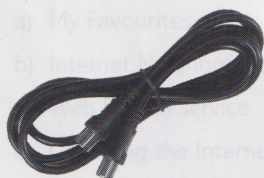
Digital TV Adapter



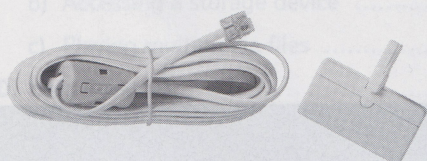
Remote control
and batteries



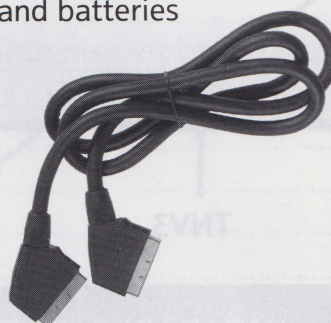
Wireless keyboard
and batteries



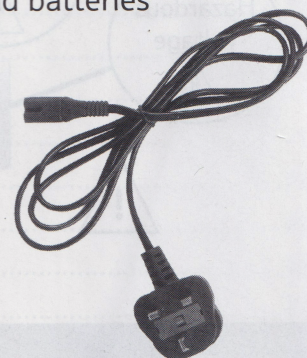
Aerial lead



Phone cable and converter



TV Scart lead

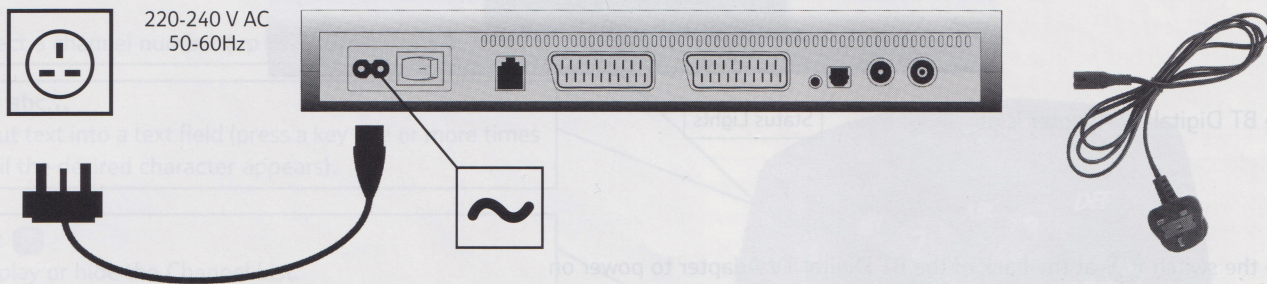


Mains power cable

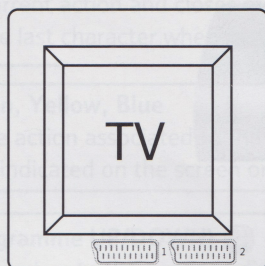
The Adapter is built using recyclable material. Please observe local regulations regarding the disposal of packaging materials, used batteries and old equipment.

• Connection and switching on

- 1** Connect the power cable to the main supply.

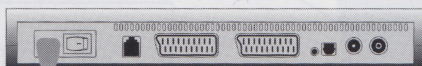


- 2**



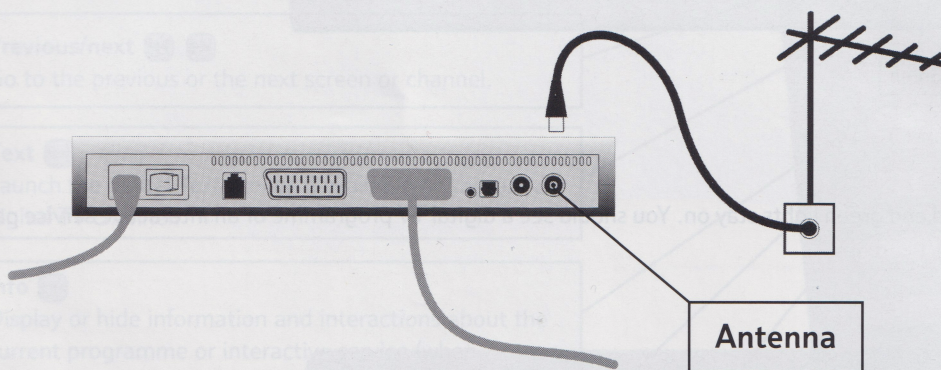
Connect your SCART Lead to your television

Unplug any device (VCR, DVD or game console) currently connected to the SCART 1 plug of your TV. Then connect the Adapter TV SCART to SCART 1 of your TV using the supplied SCART lead. If needed, re-connect the additional device (VCR, DVD or game console) to the BT Digital TV Adapter AUX SCART.



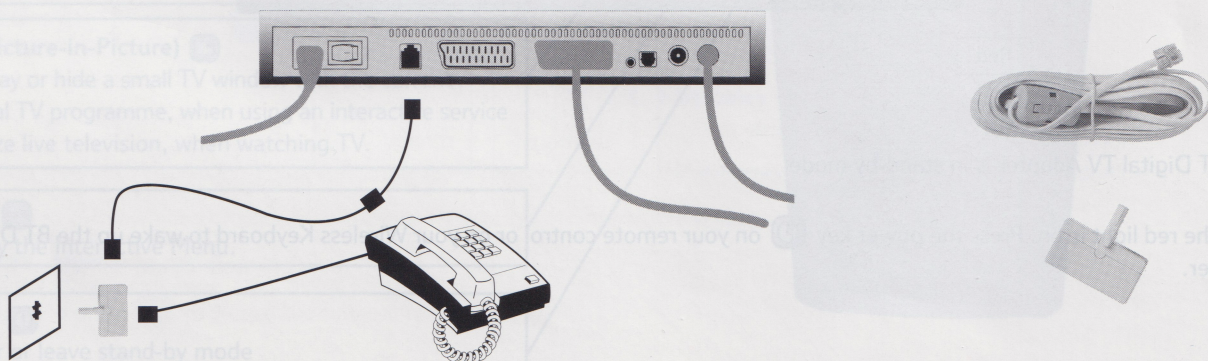
- 3**

Connect your aerial lead to the BT Digital TV Adapter, antenna connector (coaxial).



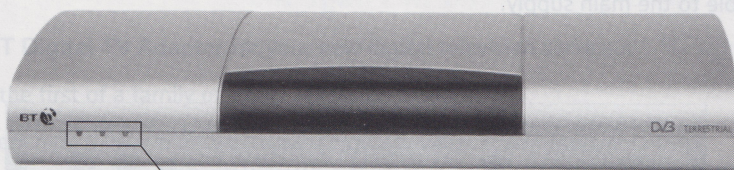
- 4**

Connect the phone cable to the phone splitter converter, then to a working phone jack.



You can now switch the BT Digital TV Adapter on. Please observe the following front panel light indicators:

1

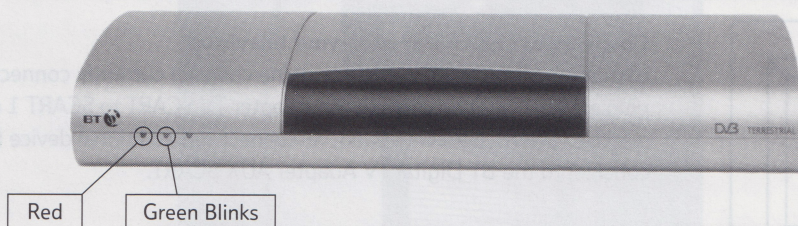


The BT Digital TV Adapter is off

Status Lights

Use the switch  at the back of the BT Digital TV Adapter to power on

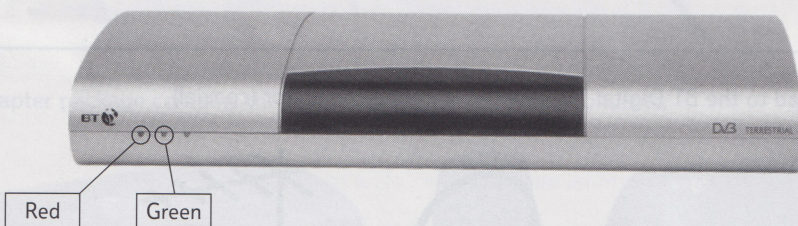
2



The BT Digital TV Adapter is powering up

This step takes about 20 seconds. The red light is on and the green light blinks

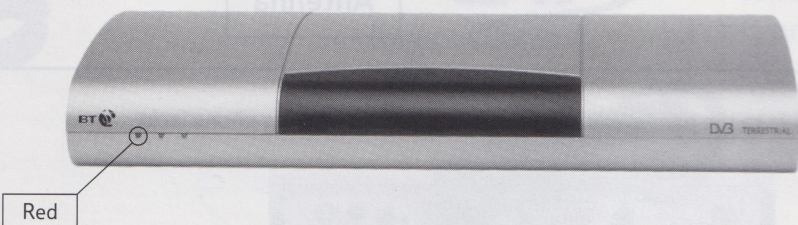
3



The BT Digital TV Adapter is on

The green light stops blinking. The red and green lights stay on. You should see a digital TV programme or an interactive service page on your TV screen.

4



The BT Digital TV Adapter is in stand-by mode

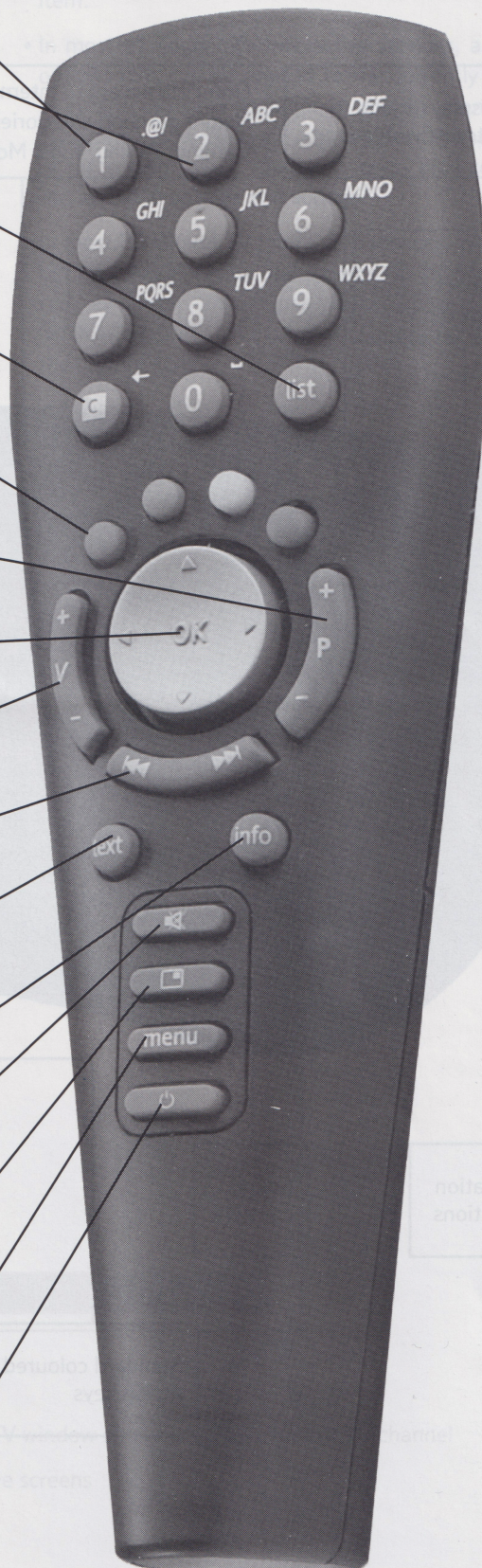
Only the red light is on. Press the **power** key  on your remote control or on your Wireless Keyboard to wake up the BT Digital TV Adapter.

c) Using the remote control

Before using your remote control, make sure the batteries are correctly installed.

- To test your remote control, press any key and check that the red light on the front cover of the BT Digital TV Adapter is blinking.

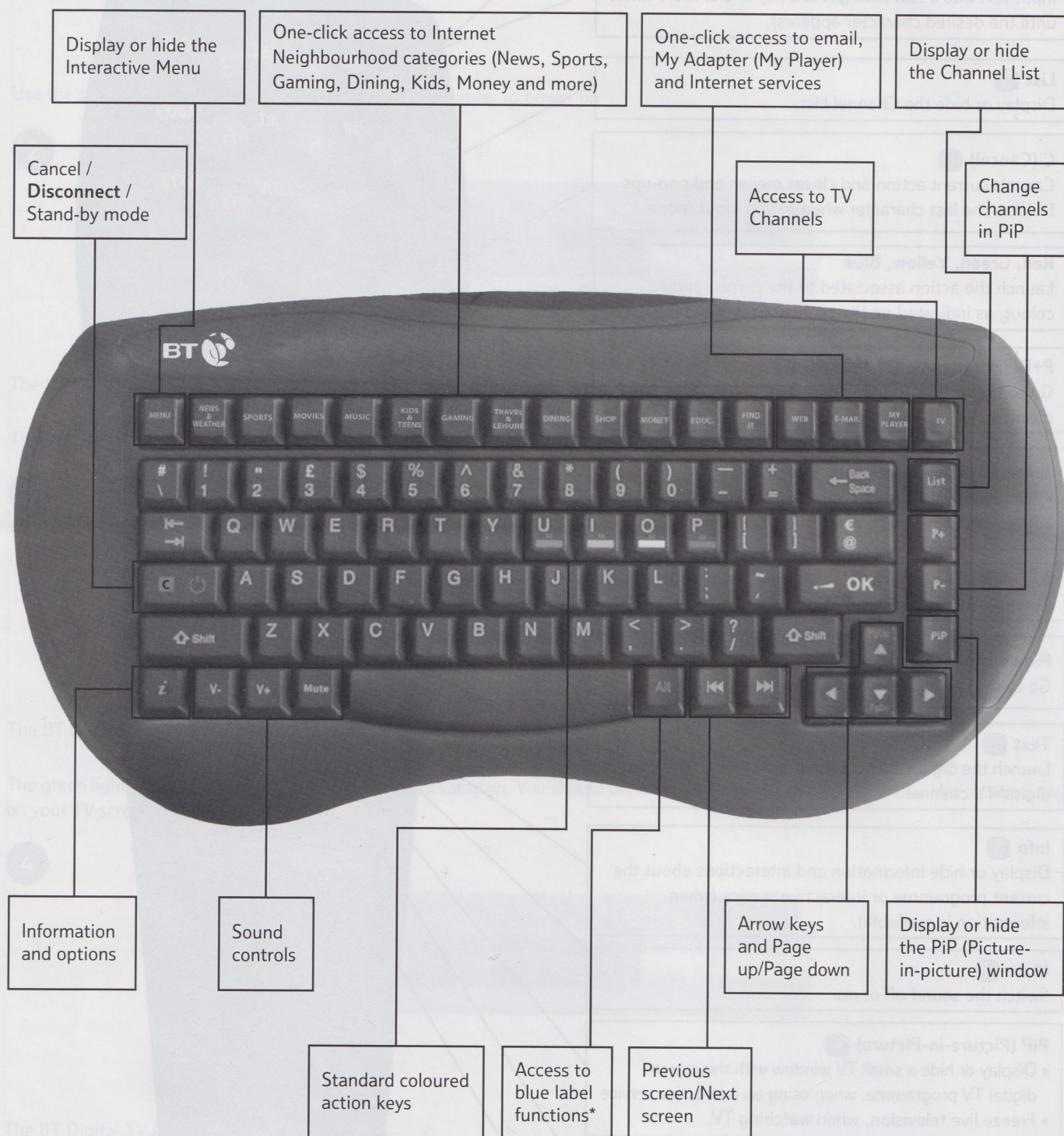
0-9 Select a channel number (up to 3 digits).	
0-9 abc... Input text into a text field (press a key one or more times until the desired character appears).	
List  Display or hide the Channel List.	
C (Cancel)  Cancels current action and closes menus and pop-ups Deletes the last character when in text input mode.	
Red, Green, Yellow, Blue Launch the action associated to the corresponding colour, as indicated on the screen or on the menu.	
P+P- (Programme UP/DOWN)  Go to the next or to the previous digital TV or radio channel.	
Arrow keys (up, down, left, right), OK - Move the highlight on menus and interactive screens - Press OK in centre to confirm your selection.	
V+/ V-  Changes the volume level.	
Previous/next   Go to the previous or the next screen or channel.	
Text  Launch the digital Text service if available on the current digital TV channel.	
Info  Display or hide information and interactions about the current programme or interactive service (when information is available).	
Mute  Switch the sound off or on.	
PiP (Picture-in-Picture)  - Display or hide a small TV window with the current digital TV programme, when using an interactive service - Freeze live television, when watching TV.	
Menu  Display the Interactive Menu.	
Power  - Enter or leave stand-by mode - Hang up when connected to the telephone.	



d) Using the Wireless Keyboard

The Wireless Keyboard is the best way to enjoy interactive services (email, Web, Internet) and to take advantage of useful shortcuts. Before using the Wireless Keyboard, make sure the batteries are correctly installed.

- To test your Wireless Keyboard, press any key and check if the red light on the front cover of the BT Digital TV Adapter is blinking



* For example, to access the RED button, press maintain the Alt key down, then press the U key.

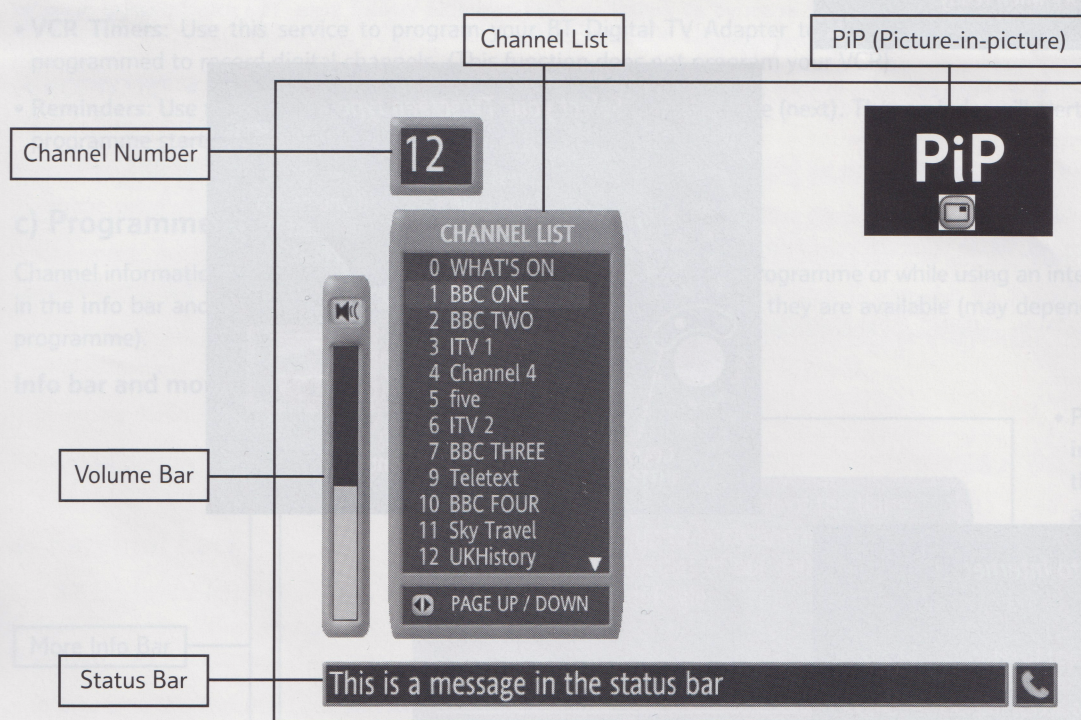
e) Navigation basics

The BT Digital TV Adapter has been designed to let you use both digital television and interactive services with the remote control or with the Wireless Keyboard.



- To use interactive services, use the **arrow keys** to navigate in the list of items. Then press **OK** key to open the currently selected item. The resulting action depends on the interactive service and on the selected item.
- In most BT Digital TV interactive services, additional options that can be applied to the currently selected item are available through a pop-up menu called "Options". When you see a blue button at the bottom of the screen called "Options", press **blue** to display the available options and actions.
- In most BT Digital TV interactive services, when a red button is displayed at the bottom of the screen, the **red** key cancels any actions you may have performed (such as entering text or changing a setting) and leaves the current screen.
- **previous/next** allows you to return to a previous screen or to go forward to a previously visited screen.

f) On-screen controls



When using interactive services, Picture-in-picture (PiP) displays a small TV window showing the last current TV channel

- Press  to display/hide the picture-in-picture TV window on interactive screens
- Use  to change programme in PiP
- You may also press  to freeze live television

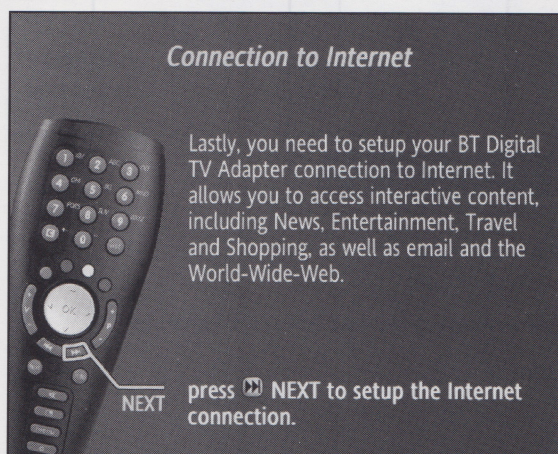
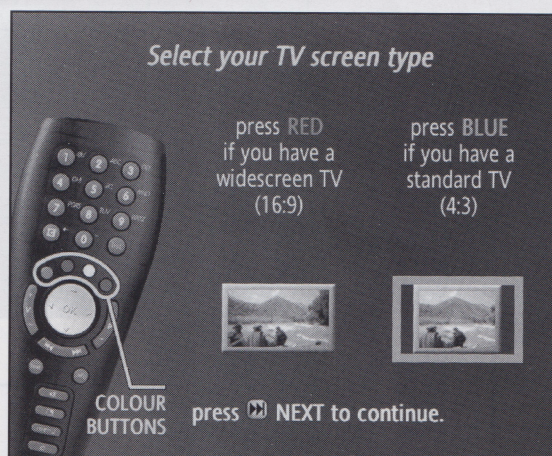
3. Setting up the BT Digital TV Adapter

The initial set up process configures your digital television services and performs the maintenance procedure to ensure that your Adapter holds the latest software version.

Once the BT Digital TV Adapter is correctly connected (TV, mains and phone), switch it on and follow the on-screen instructions.

After a quick tour explaining how to use the remote control, the initial set up process will:

- Automatically tune in all digital services available in your area (TV channels, radio channels and digital Text)
- Check if a newer BT Digital TV Adapter software version is available for you. If a service update is available, your Adapter will automatically receive it (it lasts about 5 to 10 minutes).
- If a software upgrade is available, you will be informed on the TV screen and you can then decide to perform the upgrade. Software upgrade is free, with the exception of connection time charged at BT's standard local call rate.
- Set up a free BT Digital TV mailbox



After the initial set up process, the BT Digital TV Adapter is ready!

4. Watching Digital Television

a) The Channel List

The Channel List displays all the available digital television and radio channels as well as your favourite interactive services.

Digital channels and interactive services are displayed using three different colours:

- **BLUE** for television and Text services*
- **YELLOW** for radios and audio services
- **GREEN** for user-added favourite Interactive services and for the “What’s On” programme guide

To watch a TV channel, to listen to a digital radio or to go to a favourite interactive service you can either:

- Press **list** to open the Channel List, select the channel using the **arrow keys** then press **OK** to access the channel
- Enter the channel number directly with the remote control or the keyboard (1 to 3 digits)
- Navigate through digital TV and radio channels with **P+**

* When available, digital Text may be presented as a channel that you can select as indicated above, but it may also be added to a TV programme. In this case, pressing **text** on your remote control accesses digital Text.

b) “What’s on” programme guide

The “What’s on” programme guide displays information about the current and the following programmes (now and next) for any digital television and radio service, when available. It can be accessed either by pressing **0** on the remote control or from the Channel List or from the Interactive Menu.

- Use the **arrow keys** to highlight the desired digital service and to switch between now and next programme information
- Press **OK** to go to the highlighted channel

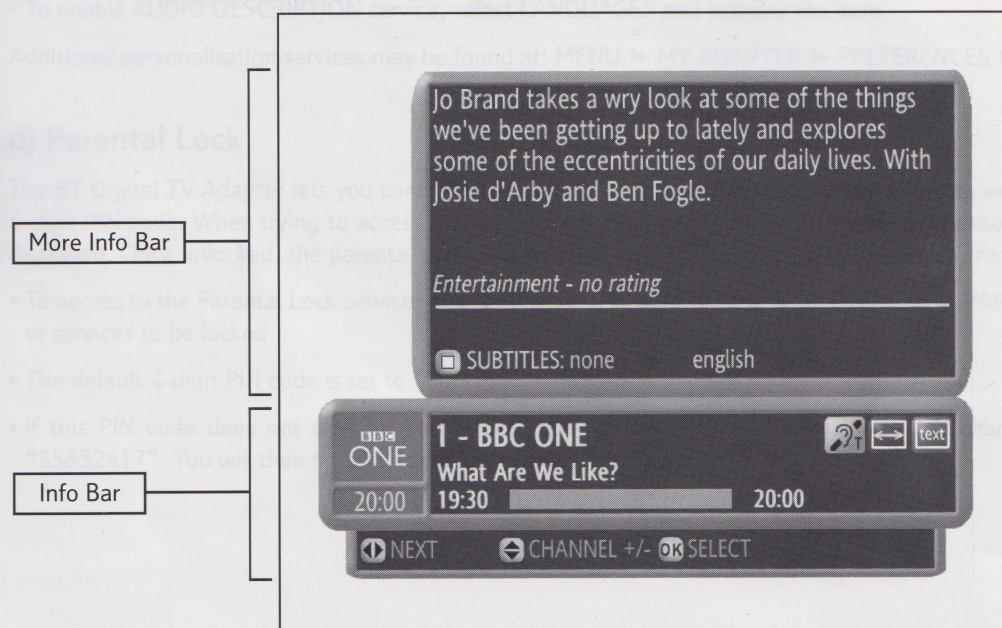
Additional services available from the “What’s on” programme guide are:

- **VCR Timers:** Use this service to program your BT Digital TV Adapter to automatically switch on and off when your VCR is programmed to record digital channels. (This function does not program your VCR)
- **Reminders:** Use this service to set up an alarm on a coming programme (next). The reminder will alert you two minutes before the programme starts.

c) Programme information and interactions

Channel information and interactions available while watching a digital programme or while using an interactive service are displayed in the **info bar** and in the **more info bar**. They are presented only when they are available (may depend on the actual broadcasted programme).

Info bar and more info bar



- Press **info** once to display the **info bar** and twice to display the **more info bar**. Press **info** again to close it. Note that for interactive services, only the **more info bar** is displayed
- When the **info bar** or the **more info bar** is displayed, use **right/left** to switch between the now and next current programme information and **up/down** to display information related to other channels
- You can press **OK** to go directly to the channel displayed in the **info** or in the **more info bar**.

Programme interactions

- Available interactions with a programme or an interactive screen are displayed in the **info** bar and detailed in the **more info** bar. Use the coloured keys on the remote control or on the Wireless Keyboard to select the desired interaction.
- Common interactions available when watching television are:

	Switch between audio languages
	Turn subtitles on and off
	Select TV aspect ratio
	Launch digital Text services (info bar must be closed)

- Common interactions available when accessing interactive services are:

	Save the current page in your Favourites list
	Print the current email or Web page (if you have already connected a printer)
	Zoom in (enlarge the size of displayed text and enable horizontal scrolling) and out (return to default display mode)

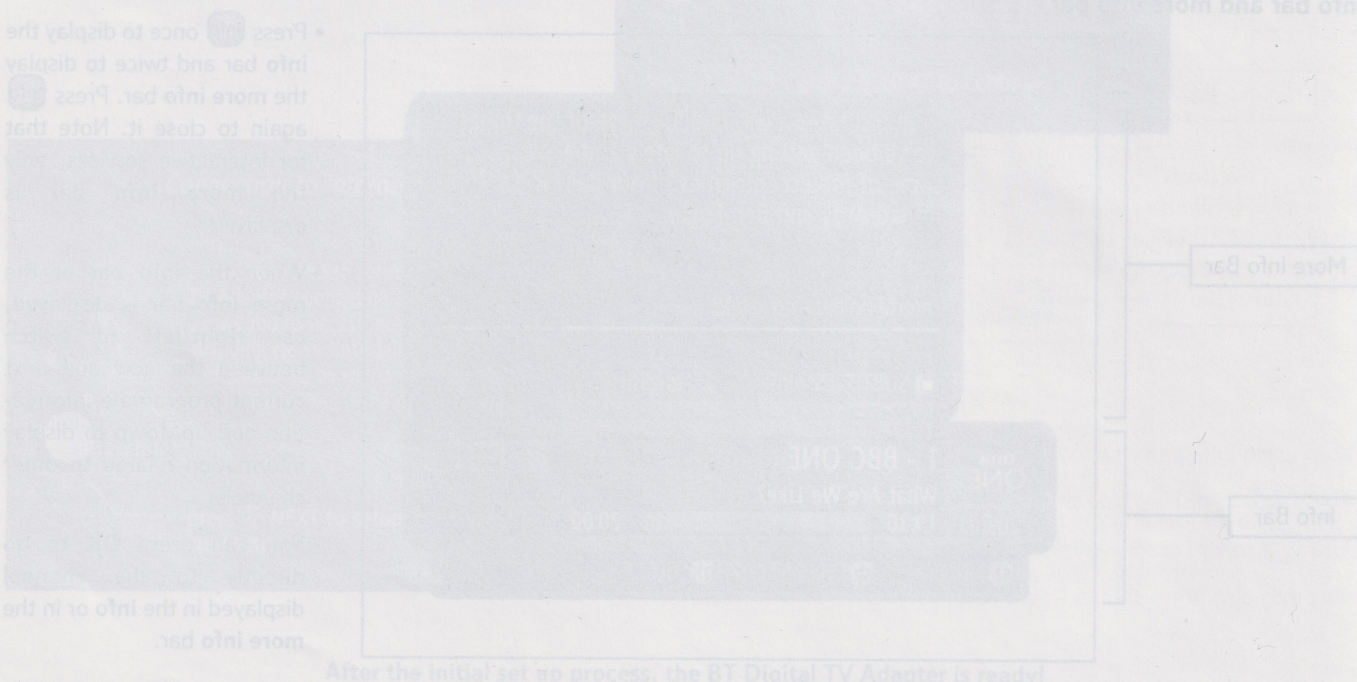
d) Channel tuning-in

During the initial set up, the BT Digital TV Adapter has scanned all digital services available in your area. You may however need to redo the channel tuning-in, for instance if you change your aerial.

- If you want to re-scan all digital services available in your area, go to: MENU ► MY ADAPTER ► PREFERENCES ► TELEVISION ► TUNING-IN, and choose your scanning method
- To control the quality of your digital reception, go to: MENU ► MY ADAPTER ► HELP ► DIAGNOSTICS ► TV SIGNAL

By default the BT Digital TV Adapter will automatically scan for new digital services when it is in stand-by mode. If new services are indeed detected, it will inform you when you turn your Adapter on.

- If you don't want the BT Digital TV Adapter to auto-scan digital services during stand-by, go to: MENU ► MY ADAPTER ► PREFERENCES ► TELEVISION ► TUNING-IN ► OPTIONS and disable this option



5. Personalising Digital Television

a) Channel List personalisation

The BT Digital TV Adapter lets you create your own Channel List with your desired digital services and your selection of favourite Web sites.

Re-number, hide and skip TV channels

- To personalise your Channel List go to: MENU ► MY ADAPTER ► PREFERENCES ► TELEVISION ► FAVOURITES
- From there you can:
 - Re-number digital TV channels
 - Hide TV channels in your Channel List
 - Skip TV channels (channels will remain available in the Channel List but will not be displayed when using **P+**).

Add a favourite Web site to the Channel list

You can add up to 50 favourite Web sites to your Channel List, numbered from 900 to 949. Favourite Web sites to which you assign a channel number can be accessed from the Channel List or through the 3-digit channel number.

b) Caller Display

When the BT Digital TV Adapter is connected to a BT line with the Caller Display feature enabled, it can identify the calling line before you answer. When your phone rings, the BT Digital TV Adapter will display a small pop-up window on the TV showing the telephone number of the calling party. In addition, if the caller number matches the phone or cell number of one of your contacts (in your address book), the BT Digital TV Adapter will also display the name and ID photo (if assigned).

Note: to answer the call, you must use your regular telephone.

- To disable the Caller Display feature, go to: MENU ► MY ADAPTER ► PREFERENCES ► TELEVISION ► USER INTERFACE and change the Caller Display setting.
- To access the caller display log, go to: MENU ► MESSAGES ► CALL LOG

c) Audio, video and language personalisation

The BT Digital TV Adapter offers a set of audio and video settings enabling you to personalise for example your audio or subtitles language, your video output settings or your TV aspect ratio.

Furthermore, audio personalisation includes Audio Description service (when available on the current programme) for visually impaired people.

- To access audio, video and language personalisation, go to: MENU ► MY ADAPTER ► PREFERENCES ► TELEVISION, then select LANGUAGES or AUDIO & VIDEO
- To enable AUDIO DESCRIPTION service, select LANGUAGES and activate the item.

Additional personalisation services may be found at: MENU ► MY ADAPTER ► PREFERENCES ► USER INTERFACE

d) Parental Lock

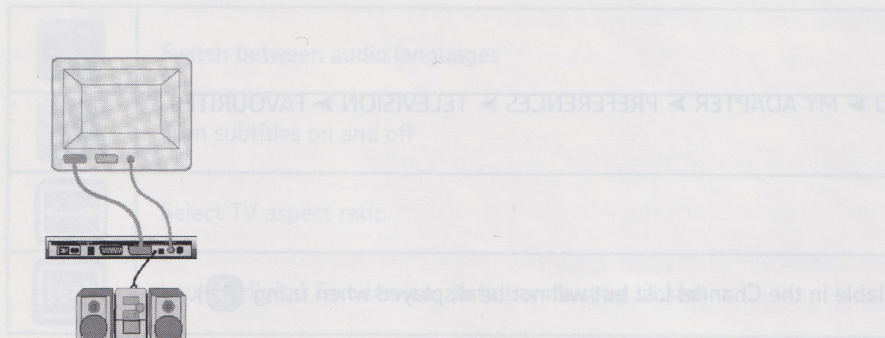
The BT Digital TV Adapter lets you control the access to the digital TV and radio channels as well as to interactive services using a 4-digit PIN code. When trying to access a locked channel or service, the PIN code must be entered before the channel or service is displayed. Once unlocked, the parental control is disabled until the Adapter goes to stand-by mode or is switched off.

- To access to the Parental Lock service, go to: MENU ► MY ADAPTER ► PREFERENCES ► PARENTAL LOCK, then select channels or services to be locked
- The default 4-digit PIN code is set to "0000"
- If this PIN code does not work, if you forget your PIN code, or if someone else has changed it, use the backup PIN code "35832417". You will then be asked to choose a new PIN code.

e) Advanced audio connection

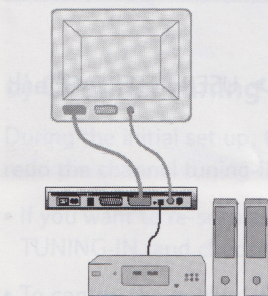
Connect the BT Digital TV Adapter to a Hi-Fi system

- To connect the BT Digital TV Adapter to a Hi-Fi system, connect an audio cable (not included) between your Hi-Fi system and the BT Digital TV Adapter AUDIO OUT "line" jack, as shown below:



Connect the BT Digital TV Adapter to a home cinema system

- To enjoy watching programmes with digital 5.1 sound*, connect the BT Digital TV Adapter S/PDIF output to a home cinema system using an optical cable (not included) as shown below. Pressing the mute key can mute the audio on the analogue output.
- Then go to: MENU ► MY ADAPTER ► PREFERENCES ► TELEVISION ► AUDIO & VIDEO, change AUDIO OUTPUT menu to "5.1 DIGITAL TO S/PDIF" and SAVE.



* Digital 5.1 audio is only available when broadcasted in the programme.

6. Recording Digital Programmes

a) Standard VCR connection

To connect your VCR to your television and to the BT Digital TV Adapter, refer to the initial set up instructions in the “Getting started” chapter.

b) VCR Timers

The BT Digital TV Adapter lets you set VCR Timers to switch the BT Digital TV Adapter on and off and to tune in to digital channels when your VCR is programmed to record. You also need to set your VCR to record on the A/V source connected to the BT Digital TV Adapter, as this function does not instruct your VCR to start and to stop recording.

Note that some VCR models can be automatically started and stopped by the BT Digital TV Adapter simply through the SCART cable. You may wish to consult your VCR documentation to find out if your VCR does support this feature (called “PIN8 recording”).

- You can set a VCR Timer directly from the “What’s on” programme guide by highlighting a programme then selecting VCR TIMER in the options menu. An icon is displayed on the selected programme to indicate that a timer has been set.
- To edit existing VCR Timers and set new ones, go to: MENU ► MY ADAPTER ► VCR TIMERS.

c) Advanced VCR connections

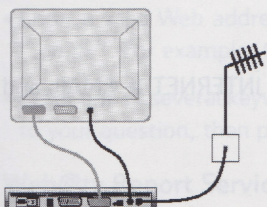
Advanced VCR connection

If you have a VCR, by connecting the BT Digital TV Adapter “RF OUT” to your VCR “ANTENNA” input using a high quality aerial lead, you’ll be able to record analogue programmes while watching another digital programme. If you then also connect the VCR “RF OUT” to your TV “ANTENNA” input using the supplied aerial lead, you’ll also be able to record digital programmes while watching another analogue programme.

If you don’t have a VCR, by connecting the supplied aerial lead from the BT Digital TV Adapter “RF OUT” to your TV “ANTENNA” input, you’ll be able to watch analogue programmes in addition to digital channels.

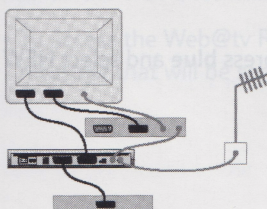
Note that the BT Digital TV Adapter only provides an RF loop through and doesn’t include a RF modulator. Therefore you must use the SCART lead to watch digital programmes.

- To use the BT Digital TV Adapter loop through function with your VCR, use the diagram below:

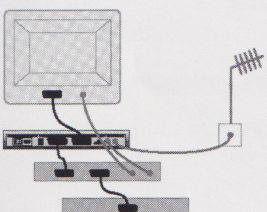


Add a DVD player or a game console

- To connect the BT Digital TV Adapter to a TV with 1 SCART input, to a VCR and to a DVD player (or a game console), use the connection diagram below:



- To connect the BT Digital TV Adapter to a TV with 2 SCART inputs, to a VCR and to a DVD player (or to a game console), use the connection diagram below:



7. Using Messaging Services

The BT Digital TV Adapter lets you send and receive emails on your television using up to five email addresses. You can use free BT Digital TV email addresses or your own existing email addresses.

To access the messaging services, MENU ► MESSAGES ► EMAIL or press EMAIL on your Wireless Keyboard

a) Receiving and sending emails

- If you have more than one email address, you must first select your mailbox from the list of available mailboxes. Press **OK** to open the mailbox or press **blue** to access more options
- Once your mailbox is open, press **blue** to display available options like checking for newly received emails or writing a new email
- When writing a new email, press **blue** to see the available options (selecting an address from your address book, sending the message)
- To attach a file to the new email, select ATTACH A FILE in the options menu then select the file from your storage device
- To attach a photo snapshot from a connected Web cam or from the live television programme, select PHOTO SNAPSHOT in the options menu

b) Address book

The Address Book lets you store up to 100 names, email addresses and phone numbers for your contacts:

- To access the Address Book, go to: MENU ► MESSAGES ► ADDRESS BOOK
- Press **blue** to access the options menu in order to create a new contact or to edit an existing contact

You can also assign an ID photo to a contact:

- Select a contact in the Address Book and select MODIFY in the options menu
- Then select CHOOSE PHOTO in the options menu
- Browse your storage device and select the desired photo.

c) Creating and modifying mailboxes

- To create a new mailbox or to edit an existing one, go to: MENU ► MY ADAPTER ► PREFERENCES ► INTERNET ► EMAIL and press **blue** to see the available options.

Using own existing email addresses

Note: some email Providers may not permit you to access your mailbox through the BT Digital TV Adapter.

- To create a mailbox using your own existing email address, press **blue** and select EXISTING ADDRESS in the options menu.
- Enter and save your email account details available from your email Provider. You must enter your email address, your user login, your password and the provider's POP3 server name.

Using BT Digital TV free email addresses

- To create a free mailbox using a new BT Digital TV email address (such as john.smith@btdigitaltv.com), press **blue** and select NEW FREE ADDRESS in the options menu
- Follow the step-by-step on-screen instructions and enter the information requested.

8. Using Interactive Services

The BT Digital TV Adapter lets you surf the world-wide-web on your television. You may access a web site from:

- Your favourite Web sites list
- The Internet Neighbourhood services offered by major Internet content and services providers
- The Web Search service (either by directly entering a Web address or by using a search engine).

a) My Favourites

My Favourites service let you store up to 50 Web sites for easy access.

- To access your favourite Web sites list, go to: MENU ► FAVOURITES
- To add a new favourite in your list, you can either:
 - Select ADD A FAVOURITE in the OPTIONS menu of YOUR FAVOURITES screen, then enter and save the requested information
 - Surf to a Web destination, press **info** then **green** to save the current Web address in your favourites.

If you assign a 3-digit number (from 900 to 949) to a favourite web site, you'll be able to access it by its number or from the Channel List.

b) Internet Neighbourhood

The Internet Neighbourhood is a set of interactive services offered by major Internet content and services providers. They are organised in categories.

- To access an Internet Neighbourhood service, go to: MENU ► SERVICES, then select an interactive service category (INFO, FUN...) or press directly a category on your Wireless Keyboard
- From the list of available services, select the one that you wish to launch.

c) Web Search service

- To access the Web Search service, go to: MENU ► SERVICES ► INTERNET or press WEB on your Wireless Keyboard
- Enter a valid Web address (URL) in the SURF TO field to go directly to a Web site. You don't need to enter "http://", ".com" or ".co.uk". For example, to go to "http://www.yahoo.co.uk/", simply enter "yahoo" and press **OK**
- Enter one or several keywords or even a question in the SEARCH field to get a list of Web sites related to your keyword(s) or answers to your question, then press **OK**.

Web@tv Report Service

Web@tv Report service lets you inform the BT Digital TV team that the Web site you are visiting is not displaying correctly on the television.

The BT Digital TV Adapter allows you to access any Web destination. As Web sites are often designed for personal computers display, you may notice that some Web sites do not display properly (sometimes not at all) on the TV. By informing us about problems you find on the Web sites that you visit, we can improve the BT Digital TV Adapter in the future.

- To access the Web@tv Report Service, press **info** while on a Web page, then press **red**. You will be directed to an automatic email message that will be sent to the BT Digital TV team.

Web cams

Use a supported USB Web cam if you want to attach photo snapshots to email messages or to assign ID photos to your mailboxes or to your contacts.

• Connect a supported Web cam to the USB port of the BT Digital TV Adapter

• To take a photo snapshot, either start composing a new mail, go to the mailbox preferences or to your address book.

d) Changing the Internet connection method

- To change the way the BT Digital TV Adapter connects to the Internet, go to: MENU ► MY ADAPTER ► PREFERENCES ► INTERNET ► CONNECTION
- To diagnose and troubleshoot the current connection, go to: MENU ► MY ADAPTER ► HELP ► DIAGNOSTICS ► NETWORK.

Share your existing broadband connection

You can use your existing broadband connection by connecting the BT Digital TV Adapter to your broadband access (ADSL modem, Cable modem, Ethernet router or Ethernet-ready dwelling unit) with a supported USB-Ethernet adapter. In this configuration, there are no additional connection charges and your telephone line remains available.

- Simply insert the USB-Ethernet adapter into the USB port of the BT Digital TV Adapter
- When the Ethernet adapter is detected, the BT Digital TV Adapter establishes the Ethernet connection automatically
- Manual configuration and advanced options are available from the Internet connection preferences screen
- If you need to switch back to a modem connection, you must unplug the USB-Ethernet adapter.

Use an existing ISP access package

You can set up the BT Digital TV Adapter to connect using your own Internet Service Provider (ISP) connection package. This feature may depend on your ISP capabilities and services:

- Select MY OWN ISP in the Access provider list, then press **blue** to save
- Enter your account details as supplied by your ISP (access telephone number, user login, password and SMTP server name).
- You can also set additional modem preferences through: MENU ► MY ADAPTER ► PREFERENCES ► INTERNET ► CONNECTION ► MODEM
- You can set up two different Internet telephone connections.

Use the BT Digital TV Adapter default telephone connection

You can use the BT Digital TV pay-as-you-go default Internet access service charged per minute at BT's standard local call rate:

- Select DEFAULT CONNECTION in the Access provider list, then press **blue** to save
- You can also set additional modem preferences through: MENU ► MY ADAPTER ► PREFERENCES ► INTERNET ► CONNECTION ► MODEM.

Note that the BT Digital TV default connection dials an 0845 telephone number – accessible from a BT line. This number is automatically prefixed with 1470 to ensure calling line identity is released for these calls. If a BT line is not used, check with your telephone Provider to see if an additional or alternative prefix is required to access this number.

Use your existing WiFi network

You can connect the BT Digital TV Adapter to your existing wireless network using a compatible USB-WiFi adapter. You can use the BT Digital TV Adapter's WiFi capability in either ad-hoc mode (WiFi adapter to WiFi adapter) or architecture mode (WiFi adapter to WiFi base). By connecting to your wireless network, you'll be able to share your existing Internet connection.

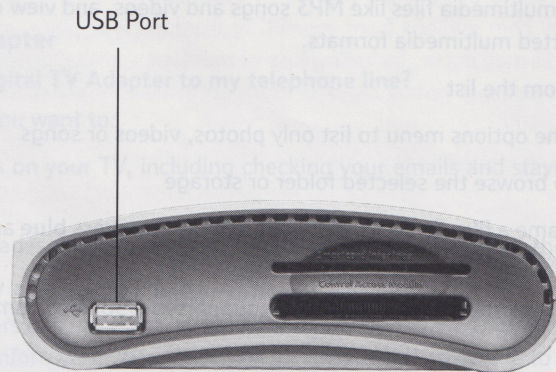
- To set a WiFi connection, start by connecting a supported USB WiFi adapter to the BT Digital TV Adapter USB port. When the Adapter is detected, you can configure your WiFi connection.
- Go to: MENU ► MY ADAPTER ► PREFERENCES ► INTERNET ► WIRELESS to set up the WiFi parameters according to your existing WiFi device, including if necessary the WEP key.

9. Using Multimedia Services

a) Connecting digital USB accessories

The BT Digital TV Adapter is compatible with a wide range of digital USB accessories making your television a centre point for digital entertainment and communication.

- To use a digital USB accessory, just connect it to the BT Digital TV Adapter USB port. The BT Digital TV Adapter will detect it and install it automatically



- You must use a USB hub in order to connect more than one USB device to the BT Digital TV Adapter (for example a USB-Ethernet adapter, a Web cam and a disk-on-key)
- To check the status of USB accessories connected to the BT Digital TV Adapter, go to: MENU ► MY ADAPTER ► HELP ► DIAGNOSTICS ► USB.

The list of supported USB accessories is updated from time to time or when a new software upgrade is made available.

- To check the updated list of supported accessories, go to: MENU ► MY ADAPTER ► GET MORE ► ACCESSORIES.

There are five types of USB accessories that you can use with the BT Digital TV Adapter:

USB-Ethernet adapter

Use a supported Ethernet adapter to share your existing broadband connection.

WiFi Adapter:

Use a supported Wifi adapter if you want to connect the BT Digital TV Adapter to your existing wireless network.

Storage devices

Use a supported external USB storage device like a disk-on-key, a pen-drive, a memory key or a USB hard drive to listen to MP3 songs, view pictures and play videos that you have downloaded using a personal computer

- Connect a supported external storage device to the USB port of the BT Digital TV Adapter
- The BT Digital TV Adapter will automatically launch the Multimedia services enabling you to browse and to access the files and folders it contains
- If you need to access your storage device again, simply go to: MENU ► MULTIMEDIA.

Printers

Use a supported USB printer if you want to print emails or Web pages.

- Connect a supported printer to the USB port of the BT Digital TV Adapter
- When reading an email or when watching a Web page, press **info** then **yellow** to print the current display.

Web cams

Use a supported USB Web cam if you want to attach photo snapshots to email messages or to assign ID photos to your mailboxes or to your contacts.

- Connect a supported Web cam to the USB port of the BT Digital TV Adapter
- To take a photo snapshot, either start composing a new mail, go to the mailbox preferences or to your address book.

b) Accessing a storage device

The list of the connected storage devices can be found at: MENU ► MULTIMEDIA.

- To add a new storage device, plug it in to the USB port of the BT Digital TV Adapter or manually configure a remote storage if you have access to an FTP server
- To browse a storage device, select it from the list.

c) Playing multimedia files

The BT Digital TV Adapter lets you play multimedia files like MP3 songs and videos, and view digital pictures. Refer to the Technical Specifications section for a list of supported multimedia formats.

- To browse a storage device, select it from the list
- You can use the LIST OPTIONS from the options menu to list only photos, videos or songs
- Press **OK** to play the selected file or to browse the selected folder or storage
- You can also move, delete, copy or rename a file. To do so, highlight it in the list, press **blue** and select the corresponding command from the options menu
- To take and save a photo snapshot to a storage device, connect a supported USB Web cam and select PHOTO SNAPSHOT from the options menu.

10. Help Services

a) Diagnostics services

The BT Digital TV Adapter offers numerous diagnostics services to help you troubleshoot problems such as improving the digital TV reception and configuring the Internet connection.

- To access a diagnostics service, go to: MENU ► MY ADAPTER ► HELP ► DIAGNOSTICS, and select a diagnostic category.

b) Frequently Asked Questions (FAQs)

Setting up the BT Digital TV Adapter

Why do I need to connect my BT Digital TV Adapter to my telephone line?

A telephone connection is needed if you want to:

- Access advanced interactive services on your TV, including checking your emails and staying connected to your favourite Internet services
- Be informed of newer software upgrades and benefit from service updates available for the BT Digital TV Adapter.

How can I upgrade my BT Digital TV Adapter to a newer software version?

From time to time, newer software versions are made available to enhance the BT Digital TV Adapter (TV reception, maintenance, new interactive services). You will be informed on the TV screen and you can then decide to perform the upgrade. Software upgrade is free, with the exception of connection time charged at BT's standard local call rate if you are using a telephone connection.

Important: You will not be informed of the availability of a newer software version if the BT Digital TV Adapter is disconnected from the telephone line.

Watching digital television

I have no sound, a rolling image or colours are missing.

Please check that the BT Digital TV Adapter is connected to your TV using the SCART lead provided. The SCART lead should be connected between the AUX1 SCART input of your TV and the TV SCART plug of the BT Digital TV Adapter. You may also need to set your TV to AV mode if it doesn't automatically switch to it.

The quality of the TV picture is not very good and some channels are missing.

Some TV channels may not be available in your area. For up-to-date advice about digital TV coverage in your area please contact Freeview on 0870 880 9980 or visit the following web site: www.freeview.co.uk

To receive new or missing channels, you need to re-scan your TV channels. See 4-d) Channel tuning-in.

You may also use the Television Diagnostics services of the BT Digital TV Adapter to check the quality of your fixed aerial or portable antenna reception. (See "Diagnostics services").

For an aerial upgrade, you may need to consult an aerial installer or specialist.

Personalising digital television

I connected the BT Digital TV Adapter to a Hi-Fi or to a home cinema system but there is no sound.

Make sure that you are using the correct cables and that they are properly connected to your BT Digital TV Adapter and to your audio system.

If you are using a stereo Hi-Fi system, the volume control is done with the BT Digital TV Adapter remote control or keyboard. Therefore, you must first set the stereo system volume to an acceptable level.

If you are using a Dolby home cinema system, the volume control is operated with the system's remote control, not with the Adapter's remote control. You will however still hear the programme sound through the TV speakers, unless you mute it.

Can I receive local programmes with the BT Digital TV Adapter?

Yes. In Northern Ireland, Wales and Scotland some broadcasters also provide extra regional services.

Recording digital programmes

I don't know how to connect my VCR, my DVD or my game console.

The BT Digital TV Adapter includes two SCART sockets for maximum flexibility. Your TV set is connected to the TV SCART of the Digital TV Adapter. VCRs, DVD players and game consoles should be connected to the AUX SCART of the BT Digital TV Adapter. In stand-by mode, the BT Digital TV Adapter has full SCART loop through to the TV (including RGB). (See "Advanced VCR connections").

I can't record digital programmes

The VCR should be connected to the AUX SCART of the BT Digital TV Adapter. On your VCR, you must select the auxiliary video source (AV) corresponding to the BT Digital TV Adapter in order to record digital channels. Please check your VCR user manual (usually EXT1, AUX or AV on most VCR). (see "Recording digital TV programmes").

Using messaging services

How many email addresses are available and what is the rule to create an email address?

You can setup up to five mailboxes using your own existing email addresses (may depend on your email Providers capabilities and services) or using free BT Digital TV email addresses.

- To use your own existing email addresses, you will need to enter your email account details available from your email Provider (email address, user login, password and POP3 server name)
- To use BT Digital TV Adapter free email addresses, we recommend you use the following model: firstname.lastname@btdigitaltv.com (lower case only).

Can I access my btdigitaltv.com mailbox without the BT Digital TV Adapter?

If you chose to connect to your btdigitaltv.com mailbox from your PC or from a public place, you will do so at your own risk. You will be solely responsible for any problems that may occur, including loss of messages, stolen passwords and spam. To read the emails of your btdigitaltv.com mailbox from a computer, a public place or from an Internet-enabled cell phone, you must use the following parameters:

Login YOUR_ENTIRE_ADDRESS (e.g., john.smith@btdigitaltv.com)

Password YOUR_PASSWORD

POP3 server mail.btdigitaltv.com

Using interactive services

Can I use an ADSL connection with the BT Digital TV adaptor?

Yes, you can use your ADSL connection to access interactive services without any additional telephone charge. (See "Changing the Internet connection method")

How much will I be charged to use Interactive Services?

To go online, the BT Digital TV Adapter uses an Internet connection. If you are using the BT Digital TV Adapter default Internet connection, calls are charged at BT local rates. If you are using your own ISP, you will be charged according to your ISP Package price. If you are sharing a broadband connection, you will connect at no additional charge.

I can't connect to the Internet

To go online, the BT Digital TV Adapter uses an Internet connection.

- The BT Digital TV Adapter default Internet connection uses an 0845 telephone number accessible from a BT line. If a BT line is not used, please check with your telephone Provider to see if a prefix is needed to access this number.
- If you are using your own ISP, please contact them to check your connection details and if a prefix is needed. Depending on your telephone line and on your ISP Package, a different prefix may be needed. Note: some ISPs don't allow you to connect to their service with the BT Digital TV Adapter.

Why has the Internet Neighbourhood content changed?

Major Internet content and services providers offer services available in the Internet Neighbourhood. When you go online, the BT Digital TV Adapter automatically updates the Internet Neighbourhood services if needed.

I have trouble accessing a Web site

The BT Digital TV Adapter allows you to visit most Web destinations without restriction. As Web sites are generally designed for PC display, you may notice that some Web sites don't display properly (sometimes not at all) on your TV. Some web sites also forbid access to any web browser other than the latest PC browsers. You can use Web@tv Report service to inform us that the Web site you are visiting is not displaying correctly on your television. (See "Web Search service")

Can I securely purchase items on the Internet with the BT Digital TV Adapter?

Yes, the BT Digital TV Adapter uses the same 128-bit SSL security as used by PCs. This means that your personal details, such as credit card information, is encrypted before being used for purchasing anything online, provided that the site you are using is set up to offer SSL authentication and encryption.

Using multimedia services

What accessories does the BT Digital TV Adapter support?

To check the current list of supported accessories, go to: MENU ► MY ADAPTER ► GET MORE ► ACCESSORIES. The list of supported USB accessories is updated from time to time or when a new software upgrade is made available.

c) Customer Support

- To learn about available Customer Support services, go to: MENU ► MY ADAPTER ► HELP.

11. Technical Specifications

DVB-MPEG compliant

Video: MPEG2 MP@ML, 1.5 to 15 Mbits/s, 4:3, 14:9 and 16:9 (letterbox or Pan and Scan)

Audio: MPEG1 Layer 1-2, S/P DIF optical output

Teletext: Digital Teletext via MHEG5

Subtitle: DVB subtitling

Demodulation

Standard: DVB-T ETSI

Frequency range: UHF

Demodulation: COFDM 2K/8K automatic detection

Automatic recognition of 16QAM and 64QAM

Channel bandwidth: 8 MHz

Interactivity

Enhanced content: HTML 4.01, ECMAScript, DOM1, DOM2 event, CSS2

Audio: MP3, AU, WAV, AIFF

Image: GIF, JPEG, PNG, TIFF

Video: MPEG1, MPEG2

Security: PKI software download, secure remote terminal management

Network protocols: HTTP 1.1, SSL2 & SSL3, POP3, SMTP, FTP

Enhanced connectivity

PSTN modem: V.90 – 56 kbits/s

Caller line identifier: Detection of incoming calls and display of CLI information

USB: Host device, USB 1.1

Optional Internet connection: Ethernet or Wi-Fi (802.11b) via USB Adapter

Smart Card

VCR link: PIN8 recording

General Data

CE marked

CTR21 certified modem

Dimensions: 314mm x 154mm x 44mm (w x d x h)

Weight: 0.7kg

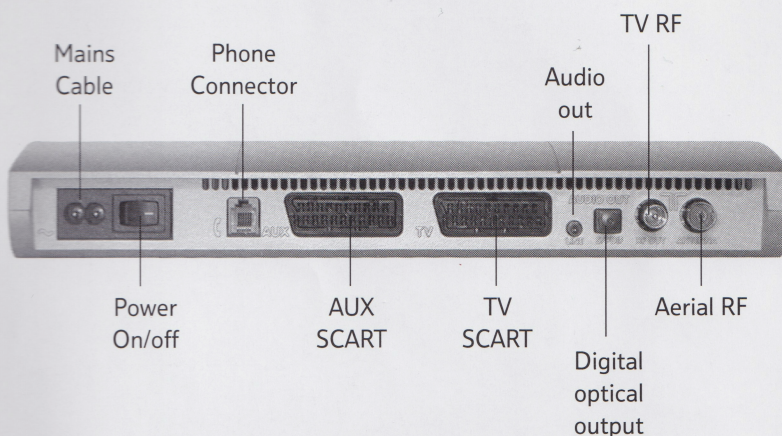
Supply voltage: 220-240 VAC, 50Hz

Power consumption: Max 18W, stand-by 5W; typical 8W

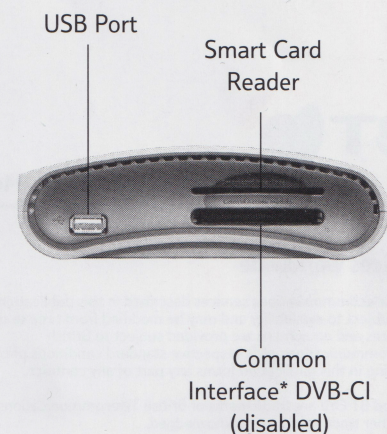
Operating temperature: +5° to +45° C

Connectors

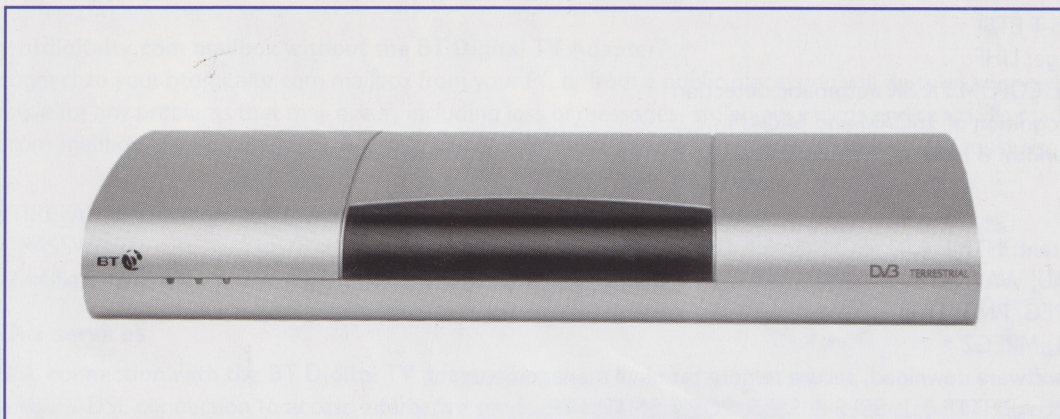
Rear panel



Side Panel



* For pay TV Channels if available in the future.



Helpline

0870 241 8636

11 am – 8 pm Monday – Friday
10 am – 4 pm Saturday



More Connections. More Possibilities.

Offices worldwide

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